

[ORGANIC ELECTRO-LUMINANCE DEVICE AND FABRICATING METHOD THEREOF]

Abstract

An organic electroluminescent device is disclosed. The organic electroluminescent device comprises a substrate, an anode, a blue luminescent layer, and a cathode. The anode is disposed on the substrate. The blue luminescent layer is disposed on the anode. The cathode is disposed on the luminescent layer. The blue luminescent layer comprises a host, a first dopant and a second dopant. The first dopant and the second dopant are doped within the host. Because of the excellent blue light color and brightness of first dopant in blue luminescent layer and the longer lifetime of second dopant in blue luminescent layer, the organic electro-luminescence device of the present invention improves lifetime, luminescent efficiency, and brightness thereof.